



**HORIZONTAL  
LINE-ARRAY**

### Model designations

**Stage-Sound Multifunct. Speaker, 250 W .. QRF-212 M**

2-way system with 12" bass woofer and 1,3" horn

**Stage-Sound Speaker, 220 W .. QRF-210**

2-way system with 10" bass woofer and 1,3" horn

**Stage-Sound Speaker, 250 W .. QRF-212**

2-way system with 12" bass woofer and 1,3" Horn

**Stage-Sound Speaker, 250 W .. QRF-2212**

2-way Horizontal-Line-Array system with 2x 12" bass woofer and 1,3" horn

Accessories:

**Wall bracket, only for QRF-210, QRF-212 and QRF-212M .... QWH-035**

**Stage-Sound Speaker, 300 W .. QRF-215**

2-way system with 15" bass woofer and 1,3" horn

**Stage-Sound Speaker, 300 W .. QRF-315**

3-way system with 8" and 15" bass woofer and 1,3" horn

**Stage-Sound Speaker, 600 W .. QRF-115 S**

Sub woofer with 15" bass woofer

Accessories:

**Distance Bar, for QRF-115S .. QDB-120**

**Speaker Stand, up to 1,85 m high .. QST-185**

**Speaker Stand, up to 2,00 m high .. QST-200**

### ● GENERAL

Stage-sound speaker of the QRF-series are perfectly suitable for voice and music transmission. They can be used for medium-sized up to large events. They were constructed in a very stable way. The high-quality, sophisticated sound prede-

stines this PA-loudspeaker for an application in an area of very professional PA and DJ. This loudspeaker is perfectly suitable for fixed installations (e.g. school gyms and event locations, etc.).

### ● MOUNTING

All speaker boxes of the QRF-series (excluding monitor QRF-212 M and subwoofer QRF-115 S) can also be hung-up. This means they are equipped with five recessed eye-bolts on each (one flying ear-rail on the back side and two on each side).



Inclusive recessed eyebolts

#### IMPORTANT:

When doing price comparisons please pay attention to the fact that the speaker boxes are delivered with professionally adjustable recessed eyebolts.

### ● ASSEMBLY

The housing of these loudspeakers consists of grey varnished (3 layers polyurethane) 18 mm MDF. They also have incorporated carrying handles. A massive metal grille completes the robust structure. Rubber feet help to avoid a damage of the housing.

### ● EQUIPMENT

The speaker boxes are equipped with 12" and respectively 15"-bass woofers. These are very high quality products with excellent tweeter-horns ("double-radial"). All the boxes of this series do have frequency gates, which are adjusted to the individual assembly.

### ● CONNECTORS

As input connectors the speaker boxes are provided with high-quality speaker sockets. In order to connect the signal through, all boxes are equipped with a speaker socket switched in a parallel way.

### ● STAND

We recommend the speaker stand QST-185 (109 – 185 mm) for the speaker boxes QRF-210 / 212 and QRF-212 M, the speaker stand QST-200 (115 – 200 mm) for the QRF-2212, QRF-215 and QRF-315. The stands are very stable and are made of anodized aluminium circular tubes (ø 36 mm). They are adjustable for height stepwise and are very easy to build and fold up. The QDB120 serves as a connector between a QRF-115 S and a different box from the ORF-series.

Wall bracket QWH-035 is 15° sloping and 160° pivoting and is suited for the types QRF-210 / 212 and QRF-212 M.

Technical Data	QRF-212 M	QRF-210	QRF-212	QRF-2212	QRF-215	QRF-315	QRF-115 S
Type of speaker	2-way-multi-functional, fullrange	2-way fullrange	2-way fullrange	2-way horizontal line-array	2-way fullrange	3-way fullrange	sub-woofer
Nominal capacity/performance	250 W (RMS), 400 W (MAX)	220 W (RMS), 350 W (MAX)	250 W (RMS), 400 W (MAX)	250 W (RMS), 400 W (MAX)	300 W (RMS), 500 W (MAX)	300 W (RMS), 500 W (MAX)	600 W (RMS), 900 W (MAX)
IBass-speaker	1x 12"	1x 10"	1x 12"	2x 12"	1x 15"	1x 8", 1x 15"	1x 15" Woofer
Horn-speaker	1x 1.3"	1x 1.3"	1x 1.3"	1x 1.3"	1x 1.3"	1x 1.3"	–
Stand hole	yes	yes	yes	yes	yes	yes	yes (on the top)
Sound pressure 1W/1m	95 dB SPL	96 dB SPL	96 dB SPL	99 dB SPL	97 dB SPL	97 dB SPL	98 dB SPL
Sound pressure SPL MAX	119 dB SPL	122 dB SPL	123 dB SPL	129 dB SPL	124 dB SPL	124 dB SPL	130 dB SPL
Frequency (+ - 3dB)	55 ~ 20.000 Hz	53 ~ 20.000 Hz	50 ~ 20.000 Hz	40 ~ 20.000 Hz	40 ~ 20.000 Hz	50 ~ 20.000 Hz	40 ~ 115 Hz
Impedance (nominal)	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	4 ohms
LS-Connectors	2x Speaker	2x Speaker	2x Speaker	2x Speaker	2x Speaker	2x Speaker	2x Speaker
Corresponding radiation	90° x 40 °	120° x 60°	120° x 60°	120° x 60°	120° x 60°	120° x 60°	–
Dimensions	350 x 590 x 390 mm	390 x 574 x 375 mm	418 x 614 x 375 mm	440 x 975 x 427 mm	504 x 758 x 483 mm	470 x 960 x 420 mm	504 x 594 x 602 mm
Weight, Colour	20 kg, grey	22 kg, grey	25 kg, grey	42 kg, grey	35,5 kg, grey	42 kg, grey	40 kg, grey